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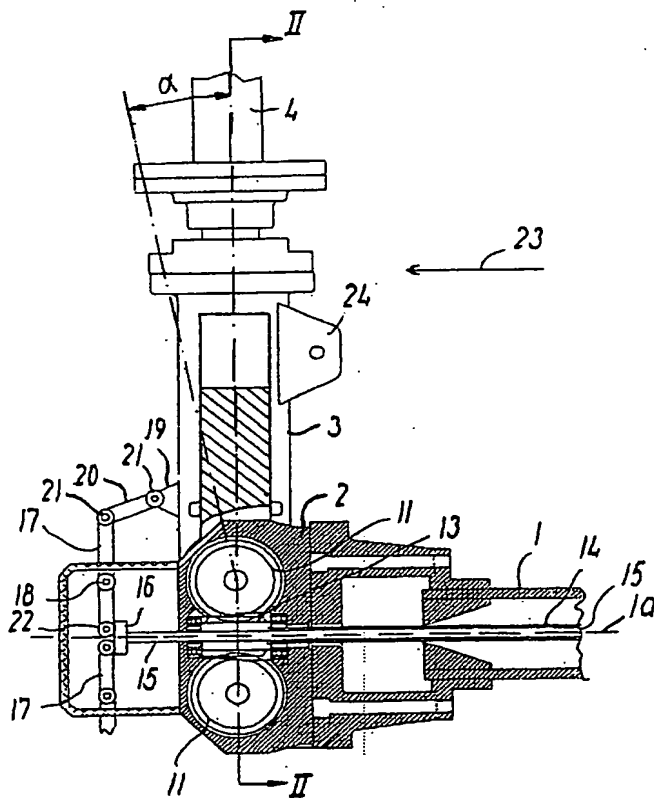
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(54) Title: A METHOD OF CONTROLLING A WINDMILL, ESPECIALLY IN STAND-ALONE OPERATION, AND A WIND-MILL



(57) Abstract: A windmill comprising a rotor having a substantially horizontal axis of rotation (1a) and at least two blades (4) extending along a respective blade axis, about which the blade can be rotated to an adjustment angle for the blade, and a blade adjusting device (11, 13) for adjusting a common basic angle of adjustment for the blades (4), said windmill further comprising means (14) for detecting the size of the basic angle of adjustment, means for detecting the load on the windmill and means (15-22) for detecting the deflection of the blade, preferably in the direction of the axis of the rotor (1a), is controlled according to the invention by adjustment of the basic angle of adjustment, a control signal for the blade adjusting device being provided in dependency of the load and the wind speed, and, as a measure for the wind speed, the deflection  $\alpha$  of the blade is used, preferably in the direction of the rotational axis (1a) of the rotor.

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